

Title: API for natural language robot control

Author: Bartłomiej Etenkowski

Department: Institute of Formal and Applied Linguistics

Supervisor: Prof. RNDr. Jan Hajič, Dr.

Supervisor's e-mail address: hajic@ufal.mff.cuni.cz

Abstract: In the present work we describe the API for natural language robot control and an implementation of the API using Java programming language and the Nabaztag:tag – an ambient electronic device in the shape of a rabbit. We also describe the design of common linguistic interfaces (eg. text-to-speech service, language recognition). Some further possibilities for the development of the API and the application are described in the present work too.

Keywords: NLP, API, Java, robot, Nabaztag